# MOHAMMAD MOSTOFA ZAMAN (莫哲汉)

Present Address: Matarbari 2x600mw ultra super critical coal fired power project, **Cox's Bazar**.

**Mobile No: +880 1717-546477**

Alternate Email: **m.zamanb@yahoo.com**

## CAREER OBJECTIVE:

I have experience installing operation and maintenance equipment and systems, properly configuring and testing them, monitoring and controlling the systems once they are operational, and performing maintenance and repairs on the equipment to ensure it continues to operate effectively in power plants, steam turbine, gas and diesel generators.

## CAREER SUMMARY:

I have 12 years' experience in electrical maintenance. I've developed expertise in electrical systems for power plants, 400/22 kV gas insulated (GIS) transmission substation controlled by SCADA., 2×660MW coal-fired steam turbines plant of generation and 96 MW utility electricity, HVAC switchyard, switchgear, sub-stations, gas and diesel engine overhauling, substation auxiliary systems, commissioning, operation, and maintenance, optimization, and integration, as well as directly safe electrical power generation and distribution systems. I want to advance both my job and my knowledge.

## EMPLOYMENT HISTORY:

### 1. Electrical and Instrumentation & Control (I&C) Engineer: 2023 *to Continuing …Full time*

**Company Name: Toshiba Plant Systems & Services Corp (TPSC Engineering)**

**Local address of company:** Matarbari 2x600mw ultra super critical coal fired power plant project.

**Area of Expertise:** Installation commissioning and operation of $2 \times 600MW$ Coal fired steam turbine power plant.

**Responsibilities:** i. Sequence and loop test & Characteristic test of Electrical panel, Switchgear (like 400KV, 22KV, 11KV, 3.3KV, and 415V) of power plant.

ii. Installation, testing, commissioning, and Maintenance of HT & LT switchgear (like 11KV, 3.3KV, 415V), Transformer, Diesel Generator, PFI Panel, MDB, SDB, Electrical Wiring, Motor, lighting System etc.

iii. Motor Solo Run test, Heat Run test & Interlock test of HT and LT Motors in power plant.

iv. Testing of trip circuit current measurement, trip logic, local/remote interlocking stability, transformer stability, DCS signal checks etc.

v. Protection ends to end Test for line feeders, Overall stability test for line feeders, Cable & Transformer feeders and troubleshooting of all Electrical circuits, control & protection circuits.

vi. Commissioning of Protections like Generator Protection, Transformer Protection, Differential Protection, REF Protection, Bus bar Protection, Motor Protection, and Synchronizing Scheme.

vii. Maintain schedule maintenance, repairing of electrical machines and Equipment's in power plant.

viii. To monitor Electrical safety/protection tools & equipment which used for man and machine and to arrange training if necessary.

ix. DCS Commissioning of ESP, CHP, AHP, Chimney, WTP, SWI & BOP Area.

x, Inspect, repair, and maintain HVAC, air quality control, and refrigeration equipment.

### 2. CCR Operator (AM): *Fab.* 2020 *to May* 2023

**Company Name**: Qingdao huafeng weiye electric power technology engineering co., ltd. Subsidiary of **SEPCOIII**

**Local address of company:** Paschim gandamara and alokdia, banshkhali, SS POWER I plant, Chittagong.

**Area of Expertise:** Installation commissioning and operation of $2 \times 660MW$ Coal fired steam turbine power plant.

**Responsibilities:** i. CCR operation: generator load (MW, MVAR, HZ), OLTC, stator, rotor, excitation of current, voltage, temperature, Inspection to AVR room carbon brushes, electrical operation report, load and KV calculation. Communication to NLDC.

ii. $400/22KV$ and $22/11KV$ gas insulated (GIS) transmission substation controlled by SCADA. transformer, busbar, switchyard and gas insulated switchgear (GIS), installation, commissioning and operation of Back feed and Outgoing Feeder.

iii. Monitoring 400KV GIS sub-station, unit transformer ($280MVA$), solid-state transformer (SST), and Auxiliary Transformer ($80/48 - 48$) $MVA$. Operation 24 $MW$ black start diesel generator (BSDG) and emergency (EDG) $2MW$.

iv. Wiring, loop, logic, CT-PT, Cable insulation transformer coil test (Megger), bus bar resistance test of $11, 22, 400KV$ switch gear. Commissioning of protection relay for generator, transformer, $11KV$ cable fault MVA calculation, control systems, AVR installation and set their parameters.
v. To monitoring all $Battery\ Bank\ DC - 220V$, UPS for Emergency power supply and $110V$ for control system.
vi. To inspection and monitoring the11KV normal incoming and distribution, 16.2 MW feed water pump, 11kv boiler circulation pump 11KV-400V SI boiler PC, turbine PC, ESP, FGD, 11KV-400V coal handle, LQ, electrical emergency and common. Preparation of commissioning reports, documenting the results of testing and inspections. Monitoring and verifying that commissioning activities are performed according to plan.

**3. Installation Engineer: May,2020-August,2022 (2.5 Yrs.).** Full time.

**Company Name:** Shanghai Kafaa Automation Technology Co., Ltd.
**Company Address:** 3010, District B 365 gubei east road baoshan, ShangHai.
**Area of Expertise:** Installation commissioning, testing and reinstalling and packing

**Responsibilities:** laser and engraving machines of Installation commissioning, testing and reinstalling and packing for overseas customer.

**4. Assistant Manager (M and O) RIP Power Station:** $May, 2015 - July, 2017\ (3.2\ yrs.)$, Full time**.**

**Company Name:** PRAN RFL Group
**Company Address:** 105/1, GA, Middle Badda, Dhaka-1212, Bangladesh
**Area of Expertise:** installation operation and maintenance of gas engine driven power plant

**Responsibilities:** 1) Installation commissioning operation and maintenance of $MWM, Caterpillar, and\ Perkins$ gas and diesel engines (generator, condenser, intake house, exhaust line, and ancillary equipment) in new power plant construction. 2) Supervision the setup, testing, and startup of the primary and auxiliary machinery, plant, and utilities. overhead crane 3) Continue to update technical records. 4) To organize, carry out, and oversee the complete system of installation, commissioning, after-sales support, and servicing.

**Power Transformer:** Tests for the oil dielectric, the voltage ratio, the vector group, the capacitance and tan-delta, the winding resistance, the IR value, the no-load loss of excitation current, and the $2kV$ oscilloscope test on the core and auxiliary.

**MV System:** Wiring, loop test, logic test, $CT - PT$ test, busbar resistance test of $11\ KV$ switch gear. IR test, voltage ratio test of each having capacities of $2000KVA$. Commissioning of $11KV$ Substation and maintenance of MCCB and installation of generator from beginning of the project. Commissioning of protection relay for generator, transformer, cable $(11KV)$ fault MVA calculation, control systems, AVR installation and set their parameters.

**Plant Auxiliary unit:** Auxiliary diesel generator, water treatment unit, heat recovery system, firefighting, fuel system, instrument and services air system, wiring, loop test of control circuit and troubleshooting.

**5. Junior Engineer (O and M):** $Jan, 2012 - Mar, 2015\ (3.2\ yrs.)$, Full time.

**Company Name:** Summit Group (Summit Power Plant Ltd.)
**Company Address:** Summit center, 18 Karwan Bazar C/A, Dhaka Saver power plant (45MW)
**Area of Expertise:** Commissioning, operation and Maintenance, Gas engines driven power plant.

**Responsibilities:** Wartsila engine operation and maintenances, HVAC transmission and distribution system $(11/33KV\ and\ 33/66KV\ Substation)$, a system of cooling by water, air, and oil, instrument air compressor, overhead crane, plant auxiliary unit operation and maintenance of a water treatment plant, troubleshooting, and scheduling maintenance, Troubleshooting and maintenance of switchgear and switchyard equipment (SF6 breaker, power transformer, station transformer, CT, PT, and so on).

**6. Junior officer (O and M):** $Nov\ 2009 - Jan. 2012\ (3\ yrs.)$, Full time.

**Company Name:** Nitol Niloy Group
**Company Address:** NITOL CENTER 71, Mohakhali C/A Dhaka-1212, Bangladesh Phone: 880 2 9887074-6
**Area of Expertise:** Installation, Commissioning, operation and maintenance of Gas engines driven CNG compressor air compressor and diesel generator.

**Responsibilities:** Gas and diesel generator, air Compressor $(air\ 6{\sim}10bar\ and\ CNG\ 14{\sim}3500Psi)$, $33/11KV$ and $11{\sim}0.4KV$ Substation, PFI plant installation, commissioning, operation, schedules maintenance. Maintenance

and operating water treatment plant. Maintenance on the air compressor, VFD and frequency converter of the instrument so on.

## ACADEMIC QUALIFICATION:

| Exam Title | Major | Institute | Rasual | Pas.Yrs. | Duration |
|---|---|---|---|---|---|
| Masters in Engineering | Control Sciences and Engineering | China university of Geosciences (Wuhan) | 3.05 $out\ of$ 4 | 2022 | 3 Yrs. |
| Bachelor in Engineering | Electrical And Electronics Engineering | Atish Dipankar University (Dhaka) | 3.15 $out\ of$ 4 | 2015 | 4 Yrs. |
| Diploma in Engineering (Power) | Power Engineering | Rangpur Polytechnic Institute, (Dhaka Board) | 3.25 $out\ of$ 4 | 2008 | 4 Yrs. |

## TRAINING SUMMARY:

| Training Title | Topic | Institute | Country | Location | Year | Duration |
|---|---|---|---|---|---|---|
| ABB Co-Robot Technology and | Application | CUG International Training Workshop | China | CUG, Wuhan | Oct 2019 | 01 month |
| Geographic information system | Application (gis & rs) | CUG International Training Workshop | China | CUG, Wuhan | Feb 2018 | 01 month |
| Air compressor | Screw type Air Comp. | IFAD Enterprises Limited | Bangladesh | IFAD E. Ltd. Dhaka | Mar 2015 | 01 month |
| PLC (programmable Logic Controller) | PLC | Instrumentation and Control Engineering | Bangladesh | TICI, Polash, Narsinhdi | 2013 | 04 month |
| Industrial Training Auto Mobile Servicing & engine overhauling | Auto mobile | ECM Auto center Ltd. | Bangladesh | 222, Tejgaon, I/A, Dhaka-1212 | 2017 | 06 month |

## LANGUAGES PERFORMANCE:

| Language | Reading | Writing | Speaking |
|---|---|---|---|
| Bangla | High | High | High |
| English | High | High | Medium |
| Chinese (Mandarin) (HSK-4) | Low | Low | Low |
| Hindi (Devanagari) | Low | Low | Medium |

## PERSONAL INFORMATION:

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|---|---|---|
| Father's Name | : | Md. Abdul Jalil |
| Mother's Name | : | Most. Badanur Begum |
| Date of Birth | : | June 17, 1985 |
| Gender | : | Male |
| Height (Meter) | : | 1.7068, Weight (Kg) : 70 |
| Marital Status | : | Married |
| Nationality | : | Bangladesh |
| National Id No. | : | 7784106572 |
| Religion | : | Islam |
| Passport No | : | EJ0309674 |
| Passport Issue Date | : | 1/8/20122 (China, Beijing) |
| Permanent Address | : | Gokulpur, Paglapir, Rangpur Sadar, Rangpur 5400 |
| Present Address | : | Paschim Gandamara and Alokdia, Banshkhali, Chittagong (SS POWER I Plant) |

## PUBLICATION:

- CBS-GAN: A band selection based generative adversarial net for hyperspectral sample generation.
- Multi-feature fusion based deep forest for hyperspectral image classification.

## REFERENCE:

| | | Reference: 01 | Reference: 02 |
|---|---|---|---|
| Name | : | Dr. Mohammad Nur Alom (PhD, China) | Dr. Md. Enamul Huq, (PhD China) |
| Organization | : | BWMRI-Bangladesh Wheat and Maize Research Institute | College of environment, hohai university, nanjing, china |
| Designation | : | Scientific Officer (Wheat Breeding) | Postdoctoral Research |
| Address | : | Institute (BWMRI) Nashipur, Dinajpur, 5200 Bangladesh | Nanjing, China. |
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| E-Mail | : | **nur.alam@bwmri.gov.bd** | **enamul.huq@hhu.edu.cn** |
| Relation | : | Family Friend | Family Friend |

Sincerely,

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Mohamad Mostofa Zaman